



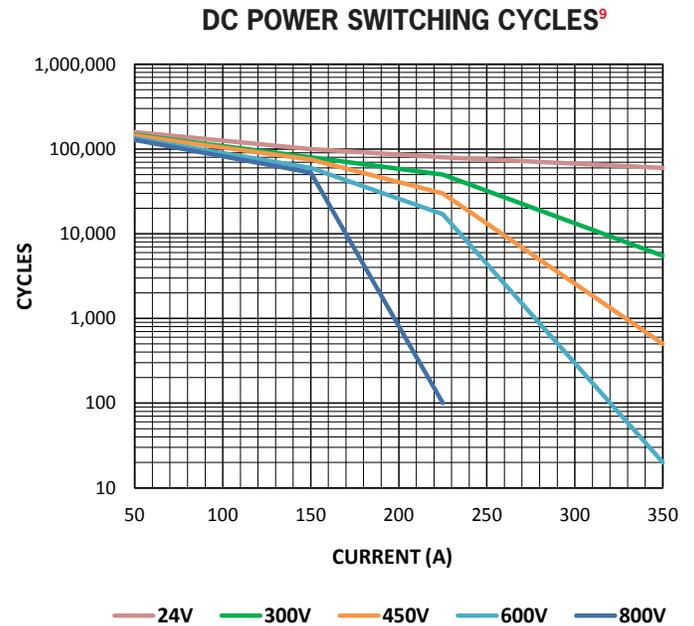
FEATURES

- Chassis level power terminals – No need for specially routed power cables, special bus bars, or special lugs.
- Rugged **EPIC®** seal rated to 175°C – Reduced risk of fire or meltdown in over current conditions. The same technology used for advanced aerospace programs.
- Hermetically sealed – UL recognized: UL1604 for Class I & II, Div 2 and Class III for use in hazardous locations, IP67 for temporary water immersion for 30 min, IP69K for pressure washing, SAE J1171 - external ignition protection, and ISO8846 for protection against ignition around flammable gasses.
- High Efficiency Dual DC Coils – Very low 12, 24 or 48 VDC continuous coil power with no EMI emissions or cross-talk on your system control power. Ideal for battery powered systems or where low power is needed.
- Built-in coil suppression for all DC coils – Saves you engineering time and parts cost to add external coil suppression.
- Stainless steel nuts and mounting inserts, for years of corrosion free service.
- Not position sensitive – can be mounted in any position for ease of installation.

PRODUCT SPECIFICATIONS

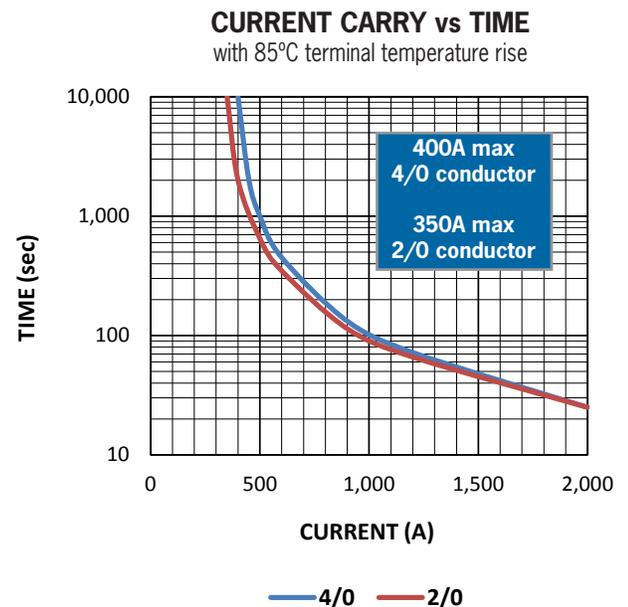
Specifications	Units	Data
Contact Arrangement		
Main	Form X	SPST-NO
Auxiliary (2A, 24VDC) ¹	Form A or B	SPST-NO or SPST-NC
Mechanical Life		
	Cycles	1,000,000
Contact Resistance²		
Max	mohms	0.4
Typical	mohms	0.15 to 0.3
Operate Time³		
Max	ms	20
Typical	ms	13
Release Time, Max		
	ms	12
Insulation Resistance⁴		
	Mohms	100
Dielectric At Sea Level (Leakage < 1mA)		
	VRMS	2,200
Shock, 1/2 Sine, 11ms		
	G peak	20
Vibration, Sinusoidal (500-2000 Hz Peak)		
	G	15
Ambient Temp Range		
Operating ⁵	°C	-55 to +85
Storage	°C	-70 to +150
Weight, Typical		
	Kg (Lb)	0.5 (1.1)
Environmental Seal		
		Exceeds IP67 & IP69K
Salt Fog		
		MIL-STD-810

POWER SWITCHING AND CURRENT CARRY RATINGS

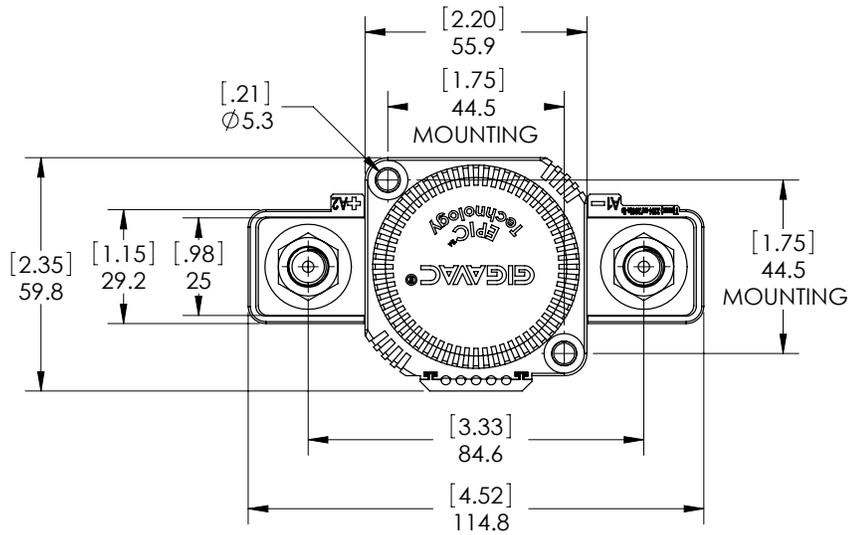


COIL RATINGS at 25°C

Coil P/N Designation	B	C	F
Coil Voltage, Nominal	12 VDC	24 VDC	48 VDC
Coil Voltage, Max	16 V	32 V	64 V
Pick-Up Voltage, Max ^{6, 8}	8 V	16 V	40 V
Drop-Out Voltage	0.5 to 4 V	2 to 7.5 V	4 to 15 V
Pick-Up Current, Max (75 ms) ^{6, 7}	3.9 A	1.6 A	0.97 A
Coil Current ⁷	0.23 A	0.097 A	0.042 A
Coil Power ⁷	2.8 W	2.3 W	2.0 W
Internal Coil Suppression			
Coil Back EMF	55 V	55 V	125 V
Transients, Max (13 ms)	±50 V	±50 V	±75 V
Reverse Polarity	16 V	32 V	64 V



DIMENSIONS



Mounting

M5 Bolts

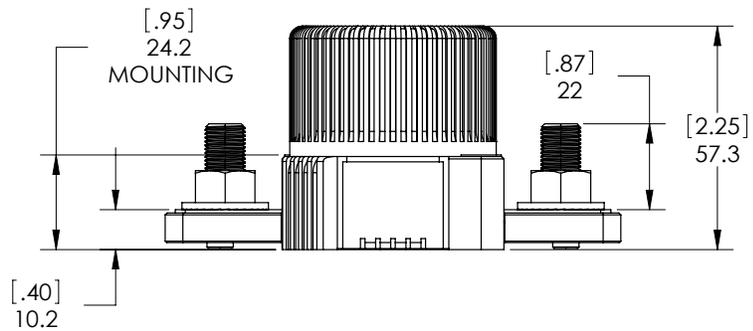
Case Material

DuPont Zytel FR50
(25% Glass Filled Nylon)

Power Connection

Stainless M10x1.5 Bolt
Stainless M10x1.5 Flanged Nut

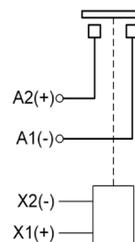
Torque 14-20Nm [125-175in-lb]



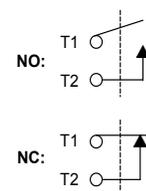
Coil Wire

Silicone, 20 AWG, UL: VW-1

Power Contacts



Auxiliary contacts (optional)



PART NUMBER SYSTEM

GX14	B	A	B
Coil Voltage	B = 12 Vdc, Internal Coil Suppression		
	C = 24 Vdc, Internal Coil Suppression		
	F = 48 Vdc, Internal Coil Suppression		
Coil Termination		A = Flying leads 38 cm (15 in)	
		B = Flying leads 61 cm (24 in)	
		C = Flying leads 122 cm (48 in)	
		D = Coil Terminals, not available with Auxiliary Contacts	
Auxiliary Contact			Blank = None
			B = SPST, Normally Open
			C = SPST, Normally Closed